

Mouth of the Monocacy Road Bridge No. M-135 -- No. 500106

Category
Agency
Planning Area
Relocation Impact

Transportation
Public Works & Transportation
Dickerson-Barnesville
None.

Date Last Modified
Previous PDF Page Number
Required Adequate Public Facility

January 5, 2002
7-222 (02 App)
NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY01	Estimate FY02	Total 6 Years	FY03	FY04	FY05	FY06	FY07	FY08	Beyond 6 Years
Planning, Design and Supervision	292	16	211	65	65	0	0	0	0	0	0
Land	28	1	27	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2	0	0	2	2	0	0	0	0	0	0
Construction	775	0	581	194	194	0	0	0	0	0	0
Other											
Total	1,097	17	819	261	261	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,097	17	819	261	261	0	0	0	0	0	0
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ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for a new bridge next to the existing Mouth of Monocacy Road Bridge over the CSXT Railroad. The new bridge will provide a 16-foot travel lane with no sidewalk. In addition, approximately 450 feet of roadway construction is needed to tie the new bridge to the existing roadway. Pedestrian and vehicular traffic will be maintained by the existing bridge during construction. The existing bridge will be closed to traffic upon the completion of this project.

Service Area

Dickerson vicinity and Chesapeake & Ohio Canal National Historical Park.

Capacity

Upon completion, the posted load restriction will be removed.

JUSTIFICATION

The existing bridge, built in 1927, is a three-span structure with spans of 22.5 feet, 40.5 feet, and 22.5 feet. It has a clear roadway width of 14 feet with no sidewalk. The inspection in 1997 and concrete core tests in 1998 revealed that the structure is in very poor condition. Cracks and large areas of spalling with exposed reinforcing steel are evident on the deck, beams, piers, abutments, and wingwalls. Steel railings on the deck are heavily rusted with section loss, broken connections, and loosened supports. Concrete core tests indicate excessively high chloride concentrations in the deck with isolated weak concrete. The bridge is structurally deficient and functionally obsolete. It is currently posted for a Single Unit Vehicle Weight of 42,000 lbs and a Combination Unit Vehicle Weight of 62,000 lbs.

Plans and Studies

Mouth of Monocacy Road is designated as an exceptional rustic road in the Functional Master Plan for Rustic Roads. This bridge was identified for rehabilitation through the County's 1997 biennial inspection program.

Cost Change

Not Applicable

STATUS

Detailed design stage

OTHER

The schedule has remained the same. The scope has been modified for FY03. A new bridge next to the existing bridge is proposed rather than the superstructure replacement previously indicated. The existing bridge is a frame-type structure. The existing abutments cannot stand after the existing superstructure is removed. In addition, the required roadway construction has been increased by approximately 250 feet to tie the new bridge to the existing roadway. The design costs for this project are covered in the Facility Planning: Bridges project. The current project costs are based on detailed design. The Mouth of Monocacy Bridge is the only access to the properties to the west of the bridge.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION	MAP
Date First Appropriation FY01 (\$000)			Maryland Department of Natural Resources	See Map on Next Page
Initial Cost Estimate 1,097			Department of Permitting Services	
First Cost Estimate			Rustic Roads Advisory Committee	
Current Scope FY03 1,097			CSXT Corporation	
Last FY's Cost Estimate 1,097			C&O Canal National Historical Park	
Present Cost Estimate 1,097			PEPCO	
			Allegheny Power	
			Verizon, Inc.	
			MCI Worldcom	
			Facility Planning: Bridges	
Appropriation Request FY03 0				
Appropriation Request Est. FY04 0				
Supplemental				
Appropriation Request FY02 0				
Transfer 0				
Cumulative Appropriation 1,097				
Expenditures/				
Encumbrances 16				
Unencumbered Balance 1,081				
Partial Closeout Thru FY00 0				
New Partial Closeout FY01 0				
Total Partial Closeout 0				



PROJECT SITE
BRIDGE NO. M-135



Mouth of Monocacy Rd

Dickerson Rd

Mt Ephraim Rd

CSX Railroad
(Metropolitan Branch)

Dickerson Rd

Big Woods Rd

Danestown Rd

Martinsburg Rd

Wasche Rd

Martinsburg Rd

**MOUTH OF MONOCACY ROAD
BRIDGE NO. M-135**